

Angelos Nersesian

Curriculum Vitae

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Date of Birth: 28/12/1990



Education

- 2016–2019 **PhD**, *National Observatory of Athens & National and Kapodistrian University of Athens.*
Thesis Title *Studying the effects of interstellar dust in nearby galaxies*
Supervisors Dr. M. E. Xilouris, Prof. N. Vlahakis, Prof. D. Chatzidimitriou
- 2013–2015 **MSc in Advanced Physics**, *University of Crete.*
Degree Great distinction
Thesis Title *Study of the optical spectral variability of the Be/X-ray binary systems*
- 2008–2012 **BSc in Physics**, *University of Patras.*
Degree Great distinction
Thesis Title *Study of eclipsing binary systems through Kepler's database*

Research experience

- 2020-present **Working on spatial SED fitting of nearby galaxies**, *Ghent University*, Postdoctoral researcher, FWO fellow.
- 2019-2020 **Working on dust dynamics, transport and interaction with radiation**, *National Observatory of Athens*, Research assistant in the team of Dr. Vassilis Amiridis, D-TECT – ERC Consolidator Grant (CoG), PE10, ERC-2016-COG.
- 2017-2018 **Work on high-resolution, 3D radiative transfer modelling of spiral galaxies**, *Ghent University*, visiting student working in the team of Prof. Maarten Baes.
- 06/2017 **Work on SED modelling techniques**, *CEA/IAS*, visiting student.

Fellowships, Awards and International Consortia

- 10/2020-2023 **Junior postdoctoral fellowship**, *Research Foundation - Flanders (FWO).*
- 10/2018-2019 **PhD scholarship at the National Observatory of Athens**, *State Scholarships Foundation (IKY)*, ESF (MIS-5000432).
- 07-09/2018 **PhD scholarship at the National Observatory of Athens**, *PROTEAS-KRIPIS.II*, (MIS-5002515).
- 2015-2019 **DustPedia (P.I. Jonathan Davies)**, *DustPedia is a collaborative focused research project supported by the European Union under the Seventh Framework Programme (2007-2013) call (proposal no. 606847). The participating institutions are: Cardiff University, UK; National Observatory of Athens, Greece; Ghent University, Belgium; Université Paris Sud, France; National Institute for Astrophysics, Italy and CEA (Paris), France.*

Research Interests

Galaxy evolution, cosmic dust/infrared emission/ISM, radiative transfer modelling, X-ray binaries

Conferences

- 11/2019 **The Art of Measuring Galaxy Physical Properties**, *Milan (Italy)*, Poster Presentation, Dust heating in nearby galaxies with 3D radiative transfer modelling.
- 10/2019 **IAASARS Seminar, NOA**, *Penteli (Greece)*, Oral Presentation, Revealing the dust heating processes on global and spatial scales.
- 07/2019 **14th Hellenic Astronomical Conference**, *Volos (Greece)*, Oral Presentation, Revealing the dust heating processes in the Local Universe.
- 05/2019 **Exploring the Infrared Universe: The Promise of SPICA**, *Island of Crete (Greece)*, Poster Presentations, Old and young stellar populations in nearby galaxies and their role in dust heating & Dust heating in nearby galaxies with 3D radiative transfer modeling.
- 11/2018 **IAU 341 Symposium: PanModel 2018**, *Osaka (Japan)*, Oral Presentation, High-Resolution radiation transfer modeling of barred galaxies.
- 09/2018 **SKIRT day**, *Balegem (Belgium)*, Oral Presentation, High-resolution radiation transfer modelling of face-on galaxies with SKIRT & PTS.
- 06/2018 **CPHDUST 2018**, *Copenhagen (Denmark)*, Poster Presentations, Investigating the Properties of Nearby Galaxies & High-resolution, 3D radiative transfer modelling of barred galaxies.
- 06/2018 **19th Meeting of the FNRS Contact Group**, *Brussels (Belgium)*, Oral Presentation, High-resolution, 3D radiative transfer modelling of barred galaxies.
- 03/2018 **EWASS 2018**, *Liverpool (United Kingdom)*, Poster Presentation, High-resolution, 3D radiative transfer modelling of nearby spiral galaxies.

Schools, Workshops

- 02/2020 **JWST Master Class**, *Athens (Greece)*.
- 06/2016 **Outreach Best Practice Workshop of Europlanet**, *Palaio Faliro (Greece)*.

Observational experience

- 07-09/2018 **Observations with Aristarchos 2.3m Telescope**, *Helmos Observatory, Greece*, 20 nights. Observations of nearby spiral galaxies
- 07-09/2018 **Observations with Kryoneri 1.2m Telescope**, *Kryoneri Observatory, Greece*, 11 nights. Light curve observations of transient objects
- 12/2017 **Observations with WIYN 0.9m Telescope**, *Tucson, Arizona*, 5 nights. Optical observations of the KINGFISH galaxy sample
- 07/2014 **Observations with Skinakas 1.3m Telescope**, *Skinakas Observatory, Greece*, 15 nights. Spectroscopic and photometric observations of Be/X-ray binary stars

Computer skills

- OS Windows, Ubuntu Linux, Apple Mac
- Codes **CIGALE**, **SKIRT/PTS**, **Prospector**
- Software Topcat, DS9, IRAF/PyRAF, Binary Maker, XSPEC
- Programming **Python**, LaTeX, C++, Fortran

During my PhD thesis I developed a new module in CIGALE to include the THEMIS dust model properties, written in python – <https://cigale.lam.fr/changelog/>.

— Languages

Greek Mothertongue
English Fluent